

A	three inches = one foot	
	6"	0"
B	one and one half inches = one foot	
	6"	0"
C	one inch = one foot	
	6"	0"
D	three quarters inch = one foot	
	6"	0"
E	one half inch = one foot	
	0"	4"
F	three eighths inch = one foot	
	0"	4"
	one quarter inch = one foot	
	0"	4"
	one eighth inch = one foot	
	0"	4"

ABBREVIATIONS:

FD	FLOOR DRAIN
PRV	PRESS REDUCING STATION
AHU	AIR HANDLING UNIT
HU OR HUM	HUMIDIFIER
HX OR HE	HEAT EXCHANGER
UH	UNIT HEATER
CP	CONDENSATE PUMP
CTE	CONNECT TO EXISTING
RAO	RADIATOR
DRP	DRIP TRAP
TAK	TANK HEATER
STL COIL	STEAM COIL
AR VENT	STEAM AIR VENT
TR	TRACER LINE
FLASH TANK	FLASH TANK
LV	UNIT VENTILATOR
FIN TUBE	FIN TUBE
CONV	CONVECTOR STEAM COIL
RADIATOR	RADIATOR
NUMBER	INSTALLED OUTDOORS
TYPE - F	FLOAT & THERMOSTATIC STEAM TRAP
TYPE - B	INVERTED BUCKET STEAM TRAP
TYPE - T	THERMOSTATIC RADIATOR TRAP/THERMOSTATIC STEAM AIR VENT
TYPE - D	THERMODYNAMIC (DISC) TRAP
ELEV.	ELEVATION - HEIGHT OF STEAM TRAP INSTALLED
PSI IN	STEAM PRESSURE SUPPLY TO STEAM TRAP
PSI OUT	ESTIMATED CONDENSATE RETURN LINE PRESSURE
MP	INLET STEAM PRESSURE MODULATED CONTROL VALVE
V.V. IN - 1	INLET ISOLATION VALVE INSTALLED
V.V. IN - 2	NO INLET ISOLATION VALVE INSTALLED AND HAS BY-PASS VALVE
V.V. IN - 0	NO INLET ISOLATION VALVE INSTALLED
STR - 1	Y-STRAINER INSTALLED
STR - 0	NO STRAINER INSTALLED
STR - 2	Y-STRAINER WITH BLOWDOWN VALVE INSTALLED
V.V. OUT - 1	OUTLET ISOLATION VALVE INSTALLED
V.V. OUT - 2	OUTLET ISOLATION VALVE WITH DRAIN VALVE
COND - OK	TRAP CONDITION GOOD
COND - CO	TRAP OUT OF SERVICE OR REMOVED
COND - CP	TRAP COLD PLUGGED, TRAP COLD
COND - LK	TRAP SLIGHTLY BLOWING STEAM THROUGH (FALED)
COND - BT	TRAP BLOWING STEAM THROUGH (FALED)
COND - CP LK	TRAP COLD PLUGGED, STEAM OR CONDENSATE LEAK
COND - OK LK	TRAP OK, STEAM OR CONDENSATE LEAK
COND - LK LK	TRAP LEAKING, STEAM OR CONDENSATE LEAK
COND - NT	TRAP NOT TESTED, NOT ACCESSIBLE
COND - OK NG	TRAP OK, RADIATOR VALVE NOT SHUTTING OFF TIGHT (BLEEDING THROUGH)
COND - LK NG	TRAP LEAKING, RADIATOR VALVE NOT SHUTTING OFF TIGHT (BLEEDING THROUGH)

HVAC PIPING:

—HPS—	HIGH PRESSURE STEAM
—HPR—	HIGH PRESSURE STEAM CONDENSATE
—HPC—	HIGH PRESSURE PUMPED CONDENSATE
—LPS—	LOW PRESSURE STEAM
—LPR—	LOW PRESSURE STEAM CONDENSATE
—LPC—	LOW PRESSURE PUMPED CONDENSATE
—MPS—	MEDIUM PRESSURE STEAM
—MPR—	MEDIUM PRESSURE STEAM CONDENSATE
—MPC—	MEDIUM PRESSURE PUMPED CONDENSATE
—PC—	PUMPED CONDENSATE
—SRV—	SAFETY RELIEF VALVE
—FCU—	FAN COIL UNIT
—ISV—	ISOLATION VALVE
—CV—	CHECK VALVE
—R—	REDUCER
—PR—	PRESSURE REDUCING VALVE
—FT—	FLOAT & THERMOSTATIC STEAM TRAP
—UN—	UNION
—OR—	OR
—BA—	BALANCING VALVE

LEGEND:

459 STEAM TRAP TAG NUMBER (SEE PLANS)

GENERAL NOTES:

- G1. LOCATIONS AND ROUTING OF EXISTING PIPING, DUCTWORK AND EQUIPMENT IS PRESUMED FROM EXISTING DRAWINGS. MECHANICAL CONTRACTOR SHALL FIELD VERIFY ALL PRIOR TO COMMENCEMENT OF WORK. ANY CHANGES TO BE INDICATED ON THESE DRAWINGS. PERMIT THE WORK TO BE PERFORMED AS INDICATED ON THESE DRAWINGS.
- G2. CORRELATE ALL SHUT DOWNING OF EXISTING MECHANICAL SYSTEMS WITH OWNER A MINIMUM OF SEVEN WORKING DAYS IN ADVANCE.
- G3. PROVIDE APPROPRIATE SERVICE DISCONNECT FOR ALL MECHANICAL EQUIPMENT. REFER TO INSTRUCTIONS FROM THE EQUIPMENT MANUFACTURER.

ELECTRICAL SCOPE OF WORK:

- REMAIN AN ELECTRICAL CONTRACTOR TO PROVIDE POWER TO 200 STEAM MONITORING SYSTEM WIRELESS REPEATERS AND (1) CPU. THE CONTRACTOR'S SCOPE OF WORK IS AS FOLLOWS:
- PROVIDE 200 20A-120V-1P DEREGATED CIRCUITS THROUGHOUT THE HOSPITAL AND CONNECT TO STEAM MONITORING SYSTEM WIRELESS REPEATERS. VERIFY EXACT LOCATION OF REPEATERS IN FIELD WITH MECHANICAL CONTRACTOR.
 - PROVIDE 3/4" CONDUIT - 2412 X 1412 EQUIPMENT GROUND FOR CONNECTION TO EACH REPEATER. FOR BRIDGING PURPOSES ASSUME 156'-0" LENGTH FOR EACH CIRCUIT.
 - IDENTIFY LOCATION OF EXISTING 200/120V NORMAL, NON-ESSENTIAL BRANCH CIRCUIT PANELBOARDS WITH CAPACITY TO CONNECT REPEATERS TO. SUBMIT FLOOR PLANS WITH SHOP DRAWINGS TO ENGINEER SHOWING PANEL NAMES, PANEL LOCATIONS, AND LOCATION OF REPEATERS THAT WILL CONNECT TO EACH PANEL.
 - PROVIDE NEW 20A-1P BREAKERS IN EXISTING PANELBOARDS FOR CONNECTION TO REPEATERS. PROVIDE TYPED PANELBOARD SCHEDULES FOR EACH MECHANICAL PANELBOARD.
 - PROVIDE NEW 20A-1P BREAKERS IN EXISTING PANELBOARDS FOR CONNECTION TO CPU LOCATED IN THE AREA 1 BUILDING IMMEDIATELY STEAM ROOM. VERIFY EXACT LOCATION OF CPU WITH MECHANICAL DRAWINGS.
 - REFER TO DIVISION 26 SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

<div>ISSUED FOR PERIOD</div> <div>FINAL CD SUBMISSION</div> <div>65% SUBMISSION</div> <div>65% SUBMISSION</div> <div>Revisions:</div> <div>06-23-13</div> <div>12-21-12</div> <div>11-30-12</div> <div>11-16-12</div> <div>Date</div>									
<div>CONSULTANTS:</div> <div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div><div>9</div><div>10</div></div><div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div><div>9</div><div>10</div></div></div></div>									
<div>ARCHITECT:</div> <div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div><div>9</div><div>10</div></div><div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div><div>9</div><div>10</div></div></div></div>									
<div>Drawing Title</div> <div>SYMBOLS, ABBREVIATIONS AND NOTES</div> <div>Approved Project Director</div> <div>Project Title</div> <div>STEAM TRAP MONITORING, INSULATION AND PIPING UPGRADES</div> <div>Location</div> <div>VAMC - WADE PARK</div> <div>Date</div> <div>12-21-12</div> <div>Checked</div> <div>WFW</div> <div>Drawn</div> <div>JWF</div> <div>Project Number</div> <div>641-12-115</div> <div>Building Number</div> <div>1</div> <div>Drawing Number</div> <div>1-01</div> <div>Office of Facilities Management</div>									